

From glowbugs@theporch.com Thu Nov 7 17:50:30 1996
Return-Path: <glowbugs@theporch.com>
Received: from uro (localhost.theporch.com [127.0.0.1]) by uro.theporch.com
(8.8.2/AUX-3.1.1) with SMTP id RAA19811; Thu, 7 Nov 1996 17:40:06 -0600 (CST)
Date: Thu, 7 Nov 1996 17:40:06 -0600 (CST)
Message-Id: <2.2.16.19961107184216.0e972f98@fvmail.com>
Errors-To: conard@tntech.campus.mci.net
Reply-To: glowbugs@theporch.com
Originator: glowbugs@theporch.com
Sender: glowbugs@theporch.com
Precedence: bulk
From: glowbugs@theporch.com
To: Multiple recipients of list <glowbugs@theporch.com>
Subject: GLOWBUGS digest 345
X-Listprocessor-Version: 6.0c -- ListProcessor by Anastasios Kotsikonas
X-Comment: Please send list server requests to listproc@theporch.com
Content-Type: text/plain; charset="us-ascii"
Mime-Version: 1.0
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GLOWBUGS Digest 345

Topics covered in this issue include:

- 1) vacuum cap's fs/trade
by "Robert Fowle (KC8DBC)" <hammarlund@jacksonmi.com>
- 2) Re: 5+ LBS of wirewound resistors SOLD
by "Robert Fowle (KC8DBC)" <hammarlund@jacksonmi.com>
- 3) NOS EF JOHNSON R.F. CHOKES FS/TRADE
by "Robert Fowle (KC8DBC)" <hammarlund@jacksonmi.com>
- 4) Re: Frequencies?
by jefffd@coriolis.com (Jeff Duntemann)
- 5) n.o.s. ceramic trimmer caps fs/trade
by "Robert Fowle (KC8DBC)" <hammarlund@jacksonmi.com>
- 6) Regen Plans
by jkh@lexis-nexis.com (John Heck)
- 7) Greetings and Tube Help
by EWoodman@aol.com
- 8) Re: Greetings and Tube Help
by rdkeys@csemail.cropsci.ncsu.edu
- 9) Re: UY227, and other tubes for regen service
by toyboat@freenet.edmonton.ab.ca
- 10) Re: 1624
by rdkeys@csemail.cropsci.ncsu.edu
- 11) Re: UY227, and other tubes for regen service
by rdkeys@csemail.cropsci.ncsu.edu
- 12) EF Johnson Part Question.....

- by "Robert Fowle (KC8DBC)" <hammarlund@jacksonmi.com>
- 13) Re: UY227, and other tubes for regen service
by clarke@next3.acme.ist.ucf.edu (Thomas Clarke)
- 14) Re: 1624
by Bob Roehrig <broehrig@admin.aurora.edu>
- 15) Re: UY227, and other tubes for regen service
by rdkeys@csemail.cropsci.ncsu.edu
- 16) cap's - relays - & Rola fs/trade
by "Robert Fowle (KC8DBC)" <hammarlund@jacksonmi.com>
- 17) Re: 1624
by Richard Wilkerson <richqrp@pacbell.net>
- 18) Re: 1624
by launerb@crl.com (William H. Launer)
- 19) Thought for junkotvscrappo tubes
by rdkeys@csemail.cropsci.ncsu.edu
- 20) Re: UY227, and other tubes for regen service
by rdkeys@csemail.cropsci.ncsu.edu
- 21) nos Hammarlund manuals \$10 ea + ship
by "Robert Fowle (KC8DBC)" <hammarlund@jacksonmi.com>
- 22) Re[2]: UY227, and other tubes for regen service
by okasb@rex.mtv.gtegsc.com (Bob Okas)
- 23) Re: Thought for junkotvscrappo tubes
by jeffd@coriolis.com (Jeff Duntemann)
- 24) Re: Thought for junkotvscrappo tubes
by clarke@next3.acme.ist.ucf.edu (Thomas Clarke)
- 25) Hamr', Drake, B&W, Ten-tec, Ameco..new old stock fs/trade
by "Robert Fowle (KC8DBC)" <hammarlund@jacksonmi.com>
- 26) More thoughts on junkotvscrappo tubes
by okasb@rex.mtv.gtegsc.com (Bob Okas)
- 27) EFJ chokes ---GONE
by "Robert Fowle (KC8DBC)" <hammarlund@jacksonmi.com>

Date: Thu, 7 Nov 1996 11:48:12 -0500
From: "Robert Fowle (KC8DBC)" <hammarlund@jacksonmi.com>
To: boatanchors@theporch.com
Subject: vacuum cap's fs/trade
Message-ID: <2.2.16.19961107115046.099ff912@fvmail.com>

have the following fs/trade/offers:

Jennings: 1000 pf fixed 10,000 volt \$75 shipped
Jennings: 75 pf vaccumm variable 20,000 volts \$75 shipped
Jennings <VC-50> 55 +2-5mmfds 20,000 volt \$30 shipped
2 - WE 50uuf 5AMF 5,000 volt \$23 shipped
Aircraft Radio corp. <GE> 100mmf voltage ? \$18 shipped

anybody interested?

=====]-[->

Robert Fowle KC8DBC
The HAMMARLUND Historian
Ph. 517-789-6721
1215 Winifred
Jackson, Mich. 49202-1946
E-mail: hammarlund@jacksonmi.com
Web Page: <http://www.jacksonmi.com/hammarlund>

HAMMARLUND LITERATURE WANTED
WANTED: MANUALS FOR ANY MAKE RADIO EQUIPMENT

=====]-[->

Boatanchors: the list: listproc@theporch.com.....subscribe boatanchors
<your name>

the news group: rec.radio.amateur.boatanchors
new group: ham-am@Listserv@ucsd.edu....Body: add ham-am

ME AND MY WIFE:

between the two of us, we know everything, what i don't know, my wife does,
and what she don't know, won't hurt her...8-) sssssh!

Date: Thu, 7 Nov 1996 12:04:04 -0500
From: "Robert Fowle (KC8DBC)" <hammarlund@jacksonmi.com>
To: boatanchors@theporch.com
Subject: Re: 5+ LBS of wirewound resistors SOLD
Message-ID: <2.2.16.19961107120638.1b970f46@fvmail.com>

Re: 5+ LBS of wirewound resistors sold
thanks

=====]-[->

Robert Fowle KC8DBC
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ME AND MY WIFE:

between the two of us, we know everything, what i don't know, my wife does,
and what she don't know, won't hurt her...8-) ssssssh!

Date: Thu, 7 Nov 1996 12:22:04 -0500
From: "Robert Fowle (KC8DBC)" <hammarlund@jacksonmi.com>
To: boatanchors@theporch.com
Subject: NOS EF JOHNSON R.F. CHOKES FS/TRADE
Message-ID: <2.2.16.19961107122438.1b97afa0@fvmail.com>

have the following:

E.F Johnson R.F. chokes #760 6.8uh @ 250 m.a.
these are new old stock <nib> 10 boxes for \$28 shipped
AES gets \$4.70-\$5.20 for thier chokes with max of 160ma
i have 68 boxes available.....

anybody interested?

=====]-[->

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ME AND MY WIFE:

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and what she don't know, won't hurt her...8-) ssssssh!

Date: Thu, 7 Nov 1996 10:36:24 -0700
From: jeffd@coriolis.com (Jeff Duntemann)
To: doug@sunrise.alpinet.net
Cc: glowbugs@theporch.com

Subject: Re: Frequencies?

Message-ID: <1.5.4.32.19961107103223.00f1533c@ntserver.coriolis.com>

At 09:01 PM 11/6/96 -0600, you wrote:

>BERGESON@PPCC.CCCOES.EDU wrote:

>>

>> Doug:

>>

>> I'd be interested in a copy of the circuit for your 6AG7/1625 rig

>> if you plan to publish it, or if you can refer me to where its

>> already published.

>>

>> 73, Hal W0MXY Colorado Springs, CO

>HI Hal...thanks for the note. The old 6AG7/1625 rig and all the prints

>went the way of many other oldies...hit the scrap heap about 20 years

>in the past. I can recreate it...just have to do the math again and

>work out the networks...no big deal. But, it ran a nice, solid 100

>watts with 700v on the plates, 250 on the oscillator. I built this

>one into an old ARC-5 transmitter chassis, used the roller inductor

>in place and built in a pi-net output...And..all the sockets I needed

>were there.

>

>So, when thing get rolling here, I'll put it back together if there is

>interest in that sort of thing.

Doug--

If you do sketch out the circuit, I'll be happy to draw it up in Visio for the group and for electronic distribution. Just let me know and I'll give you an address to send the sketch to.

Good luck and please do get that rig's circuit together--I have a number of 1625s (and 807s and 837s too) and that's an obvious "next step" up from a 30W 6L6 rig.

--73--

--Jeff Duntemann KG7JF

Scottsdale, Arizona

Date: Thu, 7 Nov 1996 12:44:29 -0500

From: "Robert Fowle (KC8DBC)" <hammarlund@jacksonmi.com>

To: boatanchors@theporch.com

Subject: n.o.s. ceramic trimmer caps fs/trade

Message-ID: <2.2.16.19961107124704.3a271c4c@fvmail.com>

these are new old stock Arco #304M 100-550pf ceramic trimmer caps...
10 or more \$1 each, plus shipping (i.e. 10 @\$1ea=\$10+\$3 priority mail=\$13)
i have approx. 150 or 160 of these available.....

anybody interested?

=====]-[->

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the news group: rec.radio.amateur.boatanchors
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ME AND MY WIFE:

between the two of us, we know everything, what i don't know, my wife does,
and what she don't know, won't hurt her...8-) ssssssh!

Date: Thu, 7 Nov 96 13:40:04 EST
From: jkh@lexis-nexis.com (John Heck)
To: glowbugs@theporch.com
Subject: Regen Plans
Message-ID: <9611071840.AA24859@beans.lexis-nexis.com>

Folks,
Now that Bob Keys has secured permission from ARRL to use QST plans I might be
allowed
to suggest an early entry to the database. I don't have any facility for scanning
but
Bob or someone else might do the honors. You may be familiar with a nice little
book
that every glowbugger(no pun intended 8^) should have is Ed Romney's " Fixing Up
Nice
Old Radios". Freds father was, evidently, an old time radio man, as is Fred, and
he
has a wealth of experience to share. His book is not particularly well organized
as

a tutorial but it's full of interesting glowbug stuff and pictures of old radios. Lots of info on old regens, too. One of the plans in the book Ed says was his fathers fav-
orite two tube regen set and it happens to be a design taken directly from QST. It seems to be from a late '30s edition. Ed reproduced the QST plans with "Courtesy QST"
appended. This radio uses a 6C6 or 6D6 detector and a 76 audio amp and tunes from 1.2
mc to 4.7mc using 5 coils. It employs screen grid regeneration with a tapped coil rather than a tickler. Like I said, I don't know which ARRL handbook this came from
but it might be an interesting addition to the plans repository.

Date: Thu, 7 Nov 1996 14:10:08 -0500
From: EWoodman@aol.com
To: glowbugs@theporch.com
Subject: Greetings and Tube Help
Message-ID: <961107141007_1182132323@emout14.mail.aol.com>

Greetings,
This is my first appearance before this group. I've been "reading the mail" for a couple of weeks and have gathered a huge amount of information from your past discussions. I had no idea that a group like this existed. I've been foundering about on my own seeking information on the old 20's and 30's rigs. I currently have a little 6L6 rig in the works and plans for a bit more ambitious project following that. Hopefully I'll be on the air as soon as I get my CW fist back in shape (haven't done any since my novice days). One question (at least for now!)I had some old tubes given to me to add to my meager collection. One of them is a 1624. Now I've seen 1613's, 14's, and 25's but have no 1624 listed in the information that I have. Can anyone help me out?
Thanks and 73. Eric KA1YRV

Date: Thu, 7 Nov 1996 15:04:59 -0500 (EST)
From: rdkeys@csemail.cropsci.ncsu.edu
To: EWoodman@aol.com
Cc: rdkeys@csemail.cropsci.ncsu.edu (), glowbugs@theporch.com
Subject: Re: Greetings and Tube Help
Message-ID: <9611072005.AA110987@csemail.cropsci.ncsu.edu>

> Greetings,
> This is my first appearance before this group. I've been "reading the mail"
> for a couple of weeks and have gathered a huge amount of information from

> your past discussions. I had no idea that a group like this existed. I've
> been foundering about on my own seeking information on the old 20's and 30's
> rigs. I currently have a little 6L6 rig in the works and plans for a bit
> more ambitious project following that. Hopefully I'll be on the air as soon
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> 14's, and 25's but have no 1624 listed in the information that I have. Can
> anyone help me out?
> Thanks and 73. Eric KA1YRV

We thinks we is a pretty special group, too.....(:+}}.....
There are a lot of good folks here, and enough common knowledge to rebuild
the finest glowinggespitzensparkenbottleburners, ever designed.....(:+}}.....

Eric.... The 1624 is a tube roughly equivalent to a 1625 or an 807.
It was used in the marine services aboard ship as the oscillator and
driver tube in WWII era Radiomarine and Mackay transmitters. These
are the kind of things that were found in liberty and victory ships,
etc., and used up through about 1960 or a little later. They were
used as the classic marine 50 watt xtal/vfo oscillator/driver stage
to drive a pair of 813's to 200 watts output.

If memory serves me correctly, it is a filamentary beam pentode with
the same ratings as the 1625, but the filament is 6v or something like
that. I can look it up in my Radiomarine manuals tonight if noone else
returns the info. Someone probably has a tube manual handier than me.

Welcome aboard! Grapples ye yer tin cans atopps yer noggin, an' readys
ye yer key at the fore!

73/ZUT DE NA4G/Bob UP

Date: Thu, 7 Nov 1996 13:03:54 -0700 (MST)
From: toyboat@freenet.edmonton.ab.ca
To: rdkeys@csemail.cropsci.ncsu.edu
Cc: Multiple recipients of list <glowbugs@theporch.com>
Subject: Re: UY227, and other tubes for regen service
Message-ID: <Pine.A41.3.95.961107124205.25474C-1000000@fn2.freenet.edmonton.ab.ca>

On Thu, 7 Nov 1996 rdkeys@csemail.cropsci.ncsu.edu wrote:

> The 6SN7 (a very common octal tube) will sub fine, and you can either a)
> wire up both tube sections together for one triode for the detector and one

> triode for the audio as separate tubes, or, b) use the two sections each
> independently as detector and audio all in one envelope (common 1950ish
> design in the ARRL handbooks).

The 6F8G is also a good choice. It is basically a twin-6J5. In the late 30s' to 40s' QSTs, this appears in the classic detector-audio regen. It was available first as ST, then GT shape. With a grid cap, it has a funky look for a breadboard rig. The 6J5, 6F8G, 6SN7 all are much the same, with the 6SN7 having greatest power and B+ ratings.

> The 6SN7 and 6J5 are octals. These are very common and were made in great
> numbers for WWII and early TV consumption. If I wanted a very common type
> tube to play with, I would pick these. The 6SN7 works well in regen
> service and in small low-powered transmitter service (2-3 watt class).
> Thus, it would serve as a one-type-and-use-it-for-everything tube.

> Although 9 pin tubes such as the 12A-7 series (any of them), or the
> triode 6C4, etc, could be used, I prefer to stick with the larger base
> sizes in octal, 5 pin, etc., format. My fingers don't like tiny mini
> tube bases --- things get inadvertently shorted too easily with them.

I am planning a regen around an 8CG7 9 pin (It's free). It's a clone of the 6SN7 and seems very common and cheap. (70's TV tube)
It's also around in 6.3 VAC and other heater ratings.

Shane

Date: Thu, 7 Nov 1996 15:42:34 -0500 (EST)
From: rdkeys@csemail.cropsci.ncsu.edu
To: Peter.C.Wotherspoon@hydro.on.ca (Peter C. Wotherspoon)
Cc: rdkeys@csemail.cropsci.ncsu.edu (), glowbugs@theporch.com
Subject: Re: 1624
Message-ID: <9611072042.AA111039@csemail.cropsci.ncsu.edu>

> This may sound bold, Bob,
> but I recall the magic-eye as being a 1624.
>
> The chances of me being right are slim.
> Its just a memory, cuz I always thought of the 1625 when I say them.

Well, maybe I have it all messed up. I am shooting from the hip, here, and would have to go back and check my manuals, tonight. If it is the size of an 807 then that is the one I am talking about. If it has a window top with a phosphor screen for the magic-eye or such, then I am all wet and need another cold 807 to get me wits straight.

Somewhat puzzled..... Bob/NA4G

Date: Thu, 7 Nov 1996 16:02:44 -0500 (EST)
From: rdkeys@csemail.cropsci.ncsu.edu
To: toyboat@freenet.edmonton.ab.ca
Cc: rdkeys@csemail.cropsci.ncsu.edu (), glowbugs@theporch.com
Subject: Re: UY227, and other tubes for regen service
Message-ID: <9611072102.AA111058@csemail.cropsci.ncsu.edu>

> The 6F8G is also a good choice. It is basically a twin-6J5. In the
> late 30s' to 40s' QSTs, this appears in the classic detector-audio
> regen. It was available first as ST, then GT shape. With a grid cap,
> it has a funky look for a breadboard rig. The 6J5, 6F8G, 6SN7 all are
> much the same, with the 6SN7 having greatest power and B+ ratings.

Similar others might be:

The 6F5 and 6K5 are also good single triodes, but not too common.

The 6P5 and 6L5 should be pretty close to the 6J5.

The 6BD4 and 6BK4 look like possibilities.

The 6F8 is a bit scarce in these parts. A similar one is the 6C8.

The 6BX7 and 5964 look like good octal dual triodes, also, as does
the 6BF7 and 6021. The 2B5 looks like a good possibility for a
filamentary version. A sleeper tube is the 12H4.

In the TV minis, the xAF4 and xAN4 triodes look good.

The point that is surfacing, is that almost any triode or dual triode
will work pretty well in the basic regen detector and audio mode.
Use what you have available, and it will probably work just fine.
Some tubes may be a bit more amenable to certain circuit layouts
or designs, but basically, anything that will oscillate or amplify
will work in the detector and audio stages.

Most tetrodes pentodes will do likewise, although biasing is a little
more critical on tetrodes and pentodes to get them to work well.
You may have to play with screen voltages and regeneration coil taps,
etc, to get them ``right''.

73/ZUT DE NA4G/Bob UP

p.s. Who can come up with the cheapest dime a dozen octal, 7 pin, 9 pin tubes from the tv era that we should try out for a basic common tube type.....hint, hint.....

Date: Thu, 7 Nov 1996 15:40:49 -0500
From: "Robert Fowle (KC8DBC)" <hammarlund@jacksonmi.com>
To: boatanchors@theporch.com
Subject: EF Johnson Part Question.....
Message-ID: <2.2.16.19961107154318.099f18d0@fvmail.com>

i have some EFJ part's # 762. this is a standup chasis mount RF choke....
these are new old stock...but, i don't know the value's of them....
and yes, if i can find the values..they are for sale also (only have 7 tho)
thank you, and thanks to all...
only have 32 EFJ 6.8uh @250ma left..they're going fast....

=====]-[->

Robert Fowle KC8DBC
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Date: Thu, 7 Nov 96 16:33:15 EST
From: clarke@next3.acme.ist.ucf.edu (Thomas Clarke)
To: glowbugs@theporch.com
Subject: Re: UY227, and other tubes for regen service
Message-ID: <9611072133.AA01742@ next3.acme.ist.ucf.edu >

Rdkeys wrote:

>Similar others might be:

>The 6BD4 and 6BK4 look like possibilities.

Don't know about a 6BD4, but the 6BK4 was a HV shunt regulator tube in early color TVs. Amp factor 2000, max plate volts 27000(sic) plate current 1.8 ma, and max dissipation of 30 watts.

The high mu is interesting, but I wonder how it would work with a thousandth of its normal working voltage.

Tom Clarke
KE4VFH

P.S. This is the tube that made all the x-rays in the old TV sets from those 27KV electrons hitting the plate.

Date: Thu, 7 Nov 1996 14:58:33 -0600 (CST)
From: Bob Roehrig <broehrig@admin.aurora.edu>
To: rdkeys@csemail.cropsci.ncsu.edu
Cc: Multiple recipients of list <glowbugs@theporch.com>
Subject: Re: 1624
Message-ID: <Pine.ULT.3.95.961107145725.13370A-100000@admin.aurora.edu>

On Thu, 7 Nov 1996 rdkeys@csemail.cropsci.ncsu.edu wrote:

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> window top with a phosphor screen for the magic-eye or such, then I
> am all wet and need another cold 807 to get me wits straight.
>
> Somewhat puzzled..... Bob/NA4G

I think the 1626 is the eye tube. Common in the ARC-5 transmitters.

E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI
CIS: Data / Telecom Aurora University, Aurora, IL

Date: Thu, 7 Nov 1996 16:31:51 -0500 (EST)
From: rdkeys@csemail.cropsci.ncsu.edu
To: toyboat@freenet.edmonton.ab.ca
Cc: rdkeys@csemail.cropsci.ncsu.edu (), glowbugs@theporch.com
Subject: Re: UY227, and other tubes for regen service
Message-ID: <9611072131.AA111103@csemail.cropsci.ncsu.edu>

> > Although 9 pin tubes such as the 12A-7 series (any of them), or the
> > triode 6C4, etc, could be used, I prefer to stick with the larger base
> > sizes in octal, 5 pin, etc., format. My fingers don't like tiny mini
> > tube bases --- things get inadvertently shorted too easily with them.
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> I am planning a regen around an 8CG7 9 pin (It's free). It's a
> clone of the 6SN7 and seems very common and cheap. (70's TV tube)
> It's also around in 6.3 VAC and other heater ratings.

Ahh, now we are at a fundamental crossroads.....(:+{} }.....

A tv junkoscrappo tube might make a great regen receiver tube.
What else can we do with them thar unwanted orphan televisetubes.

Someone should survey some of the odd 3/4/9/17 whatever filament volt
tubes that noone can sell anymore and see what might make a good tube
for a typical triode or dual triode regen set. I would suggest that
there are many types of orphan triodes and dual triodes in octal and
7 or 9 pin sizes. We need a list of them for further reference.....

For example, AES lists the 2CY5 tetrode at a buck-fifty each. One could
make a tetrode regen detector or tie the grids together and use it as
a triode. These kinds of things are common hamfest orphans.

Almost any mini 9 pin tube that ends in 8 is likely to be a dual triode.
There are some sleepers there worth looking at.

Many 7 pin tubes that end in 4 are triodes, that might be interesting.

Possible octals might be the 6Q7, 6R7, 6SQ7, or 6SR7 with the diodes
unused. The triode sections would work well.

The 7A4, 7B4, or 14A4 triodes would work well, as should the
7/14B6, 7C6, 7/14E6 equivalents to the 6SQ7, 6SR7.

The 7/14AF7 or 7/14N7 would be another good dual triode.

Others keep filling out the list.....

73/ZUT DE NA4G/Bob UP

Date: Thu, 7 Nov 1996 16:08:01 -0500
From: "Robert Fowle (KC8DBC)" <hammarlund@jacksonmi.com>
To: boatanchors@theporch.com
Subject: cap's - relays - & Rola fs/trade
Message-ID: <2.2.16.19961107161031.099f0562@fvmail.com>

all below prices include shipping
anybody interested?

1 BAG OF 20 NEW CAP'S (made in USA) @ 1200 MFD, 75 VDC \$18.00

RELAYS (34 total)
NEW IN BOX MIL. SPEC. # MK 1007, 12 VDC , 120 OHMS, DPDT
all for \$38 shipped

ROLA HEADSET ADAPTERS - FOR HEADSETS HS-33 OR HS-38
HIGH TO LOW IMP. MC-385-A & MC-385-C \$8 PR.

=====]-[->

Robert Fowle KC8DBC
The HAMMARLUND Historian
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1215 Winifred
Jackson, Mich. 49202-1946
E-mail: hammarlund@jacksonmi.com
Web Page: <http://www.jacksonmi.com/hammarlund>

HAMMARLUND LITERATURE WANTED

WANTED: MANUALS FOR ANY MAKE RADIO EQUIPMENT

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<your name>

the news group: rec.radio.amateur.boatanchors
new group: ham-am@Listserv@ucsd.edu....Body: add ham-am

ME AND MY WIFE:

between the two of us, we know everything, what i don't know, my wife does,

and what she don't know, won't hurt her...8-) ssssssh!

Date: Thu, 07 Nov 1996 13:05:23 +0000
From: Richard Wilkerson <richqrp@pacbell.net>
To: rdkeys@csemail.cropsci.ncsu.edu
Subject: Re: 1624
Message-ID: <3281DE93.78D8@pacbell.net>

rdkeys@csemail.cropsci.ncsu.edu wrote:

>
> > This may sound bold, Bob,
> > but I recall the magic-eye as being a 1624.
> >
> > The chances of me being right are slim.
> > Its just a memory, cuz I always thought of the 1625 when I say them.
>
> Well, maybe I have it all messed up. I am shooting from the hip, here,
> and would have to go back and check my manuals, tonight. If it is the
> size of an 807 then that is the one I am talking about. If it has a
> window top with a phosphor screen for the magic-eye or such, then I
> am all wet and need another cold 807 to get me wits straight.
>
> Somewhat puzzled..... Bob/NA4G.....\
Iam looking at a 1629 and a 6E5 and their both "magic-eyes"
--

Rich Wilkerson, WD6FDD, Santee, Ca.
NorCal, ARCI, ARS, QRP-L & E.C.R.A.

Date: Thu, 7 Nov 1996 15:13:23 -0600
From: launerb@crl.com (William H. Launer)
To: glowbugs@theporch.com
Subject: Re: 1624
Message-ID: <v01530500aea7ff662f09@[192.0.2.1]>

According to the 1965 ARRL Handbook:

1624: Transmitting Pentode - Directly Heated Cathode

Plate Dissipation: 25 Watts

Plate Voltage: 600

Screen Dissipation: 3.5 Watts

Screen Voltage: 300

Freq (Mc.) Full Ratings: 60

Filament: 2.5 V, 2 Amps

73, Bill wb0cld

Bill Launer
St. Charles, MO
launerb@crl.com
wb0cld@wb0cld.ampr.org [44.46.66.25]
qrp-l #279 qrp arco #3551
Grid Square EM48RT

Date: Thu, 7 Nov 1996 16:43:44 -0500 (EST)
From: rdkeys@csemail.cropsci.ncsu.edu
To: glowbugs@theporch.com
Cc: rdkeys@csemail.cropsci.ncsu.edu ()
Subject: Thought for junkotvscrapo tubes
Message-ID: <9611072143.AA111145@csemail.cropsci.ncsu.edu>

Here is a thought for the day.....

Traditionally, commercial regen receivers of class were three-tubers.
Detector, first audio, second audio, all triodes, was the general rule.

Now, if we could find some el cheapo junkotvscrapo tubes that had
2 volt filaments, then we could series three of them to work off a
6 volt battery for filament power. Likewise, if they were 4 volters,
then we could use three of them similarly off a 12 volt battery.
Now that is mil-spec designing, for regen service.....(:+}}.....

There should be some suitable type tubes there somewhere.....

73/ZUT DE NA4G/Bob UP

Date: Thu, 7 Nov 1996 16:52:41 -0500 (EST)
From: rdkeys@csemail.cropsci.ncsu.edu

To: clarke@next3.acme.ist.ucf.edu
Cc: rdkeys@csemail.cropsci.ncsu.edu (), glowbugs@theporch.com
Subject: Re: UY227, and other tubes for regen service
Message-ID: <9611072152.AA111175@csemail.cropsci.ncsu.edu>

>
> Rdkeys wrote:
> >Similar others might be:
>
> >The 6BD4 and 6BK4 look like possiblilties.
>
> Don't know about a 6BD4, but the 6BK4 was a HV shunt regulator
> tube in early color TVs. Amp factor 2000, max plate volts 27000(sic)
> plate current 1.8 ma, and max dissipation of 30 watts.
>
> The high mu is interesting, but I wonder how it would work with
> a thousandth of its normal working voltage.
>
> Tom Clarke
> KE4VFH
>
> P.S. This is the tube that made all the x-rays in the old TV sets
> from those 27KV electrons hitting the plate.

At 48 volts, maybe we won't nuke ourselves, too much.....

My guess is that there should be some point at which regeneration and oscillation would occur, even on low plate voltage. I often use 6080's in Hartley oscillators and regen detectors (sub for 6SN7). That works fine, and those were vacuum tube pass transistors (regulators). Sounds like we need some late night experimenting, 'ere.....(:+}}.....

I have used 807's in a test regen detector, and that worked.

The 833 kilowatt broadcast tube works fine in regeneration service (from experiments done by one of our list members). Heating the filament is another story, tho.....(:+\}\.....

It would seem that proper conditions are feasible at low voltages even with large power tubes normally run at high voltages.

If anything, the high mu would help to make oscillation easier, I would think.

73/ZUT DE NA4G/Bob UP

Date: Thu, 7 Nov 1996 16:32:16 -0500
From: "Robert Fowle (KC8DBC)" <hammarlund@jacksonmi.com>
To: boatanchors@theporch.com
Subject: nos Hammarlund manuals \$10 ea + ship
Message-ID: <2.2.16.19961107163446.23970f34@fvmail.com>

i still have a few of these left (altho i sold a bunch)
at \$13 each shipped, for new old stock manuals, if nothing else
you should pick up 1 or so, for trade material..
you can't but copies for this.....
whats left:

HQ-145A (10)
HXL ONE AMP (1.5KW VERSION) (8)
HX-50 (13)
HX-500 (22)
HA-4 (1)
SR-400 (1)

=====]-[->

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new group: ham-am@Listserv@ucsd.edu....Body: add ham-am

ME AND MY WIFE:

between the two of us, we know everything, what i don't know, my wife does,
and what she don't know, won't hurt her...8-) sssssh!

Date: Thu, 7 Nov 1996 13:41:05 -0800
From: okasb@rex.mtv.gtegsc.com (Bob Okas)
To: glowbugs@theporch.com
Subject: Re[2]: UY227, and other tubes for regen service
Message-ID: <9611072141.AA04124@rex.mtv.gtegsc.com>

Bob, NA4G, wrote:

>Almost any mini 9 pin tube that ends in 8 is likely to be a dual triode.
>There are some sleepers there worth looking at.

Well, I hate to be pedantic, but a minor correction is in order.
Most 9 pin tubes with numbers ending with an 8 are usually triode-
pentode combinations, e.g. 6U8, 6EA8, 6AW8, etc. 9 pin tubes with
numbers type numbers ending in *7* are the dual-triode type, for
example: 12A*7, 6CG7, etc.

Bob - W3CD (formerly N3MBY)

Date: Thu, 7 Nov 1996 14:51:50 -0700
From: jeffd@coriolis.com (Jeff Duntemann)
To: rdkeys@csemail.cropsci.ncsu.edu
Cc: glowbugs@theporch.com
Subject: Re: Thought for junkotvscrapo tubes
Message-ID: <1.5.4.32.19961107144748.00f1d47c@ntserver.coriolis.com>

At 03:17 PM 11/7/96 -0600, NA4G wrote:

>Traditionally, commercial regen receivers of class were three-tubers.
>Detector, first audio, second audio, all triodes, was the general rule.
>
>Now, if we could find some el cheapo junkotvscrapo tubes that had
>2 volt filaments, then we could series three of them to work off a
>6 volt battery for filament power. Likewise, if they were 4 volters,
>then we could use three of them similarly off a 12 volt battery.
>Now that is mil-spec designing, for regen service.....(:+}}.....
>
>There should be some suitable type tubes there somewhere.....

One caution: The "series-string" tubes with weird filament voltages weren't
intended for battery service and would put a serious draw on a battery; I
would guess close to half an amp for three tubes continuous, just to light
them up. On second thought, if I remember my TV theory (and I never knew
that much of it) the current through those tubes passes through *all* the
tubes in the string, so the smaller tubes have to pass just as much as the
bigger sweep tube and audio power amp. I wouldn't therefore be surprised if
even a small 7-pin miniature model needed half an amp to light properly.
I'll check on this tonight; never really thought about using these li'l
buggerinos.

The only place this doesn't matter that much is if you're running it off a

car battery, which has more oomph than about anything else that stores power chemically. So definitely 3 of the 4-volt tubes, unless you're still running a 6-volt vehicle...

Such tubes are *real* cheap. I have a shoebox full of them, and I remember throwing lots of them away in years past.

Another odd note here: AES sells a socket adapter kit that lets you replace the 6E5 style magic eye tubes with the cheaper 1629's. The only real difference is in the basing.

--73--

--Jeff Duntemann KG7JF
Scottsdale, Arizona

Date: Thu, 7 Nov 96 17:33:37 EST
From: clarke@next3.acme.ist.ucf.edu (Thomas Clarke)
To: glowbugs@theporch.com, rdkeys@csemail.cropsci.ncsu.edu
Subject: Re: Thought for junkotvscrappo tubes
Message-ID: <9611072233.AA01848@ next3.acme.ist.ucf.edu >

rdkeys writes:

>Now, if we could find some el cheapo junkotvscrappo tubes that had
>2 volt filaments, then we could series three of them to work off a
>6 volt battery for filament power. Likewise, if they were 4 volters,
>then we could use three of them similarly off a 12 volt battery.

Suggest old series string TV RF ampliifer and oscillator tubes:

2AF4, 2BN4, 2GK5

For four volt tubes the only pure triode seems to be 4GK5

but there are lots of dual triodes like 4BQ/K/Z7

and the diode equipped 4AV6

Tom Clarke
KE4VFH

Date: Thu, 7 Nov 1996 17:08:22 -0500
From: "Robert Fowle (KC8DBC)" <hammarlund@jacksonmi.com>
To: boatanchors@theporch.com
Subject: Hamr', Drake, B&W, Ten-tec, Ameco..new old stock fs/trade
Message-ID: <2.2.16.19961107171052.239723d8@fvmail.com>

have these to sell/trade:

Hammarlund 'S' meter new old stock sp-200/400/129X \$33 ship'd
Drake new old stock TV-1000LP 1kw lowpass filter \$25 ship'd

Ten-Tec - Ameco & B&W are new old stock
241 Crystal Oscillator \$33

shipped

Ameco:

PS-1 POWER SUPPLY		\$25	shipped
PS-2 POWER SUPPLY		\$25	shipped
CLB CONVERTER	2-54mc	\$18	shipped
CHT CONVERTER	108-174mc	\$18	shipped
CG CONVERTER	450-470mc	\$15	shipped
CLG CONVERTER	75meter	\$15	shipped
ADVANCED CODE SET-	78 RPM	\$20	shipped

B&W 40 meter balun 1kw 1:1 \$40 shipped

=====]-[->

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and what she don't know, won't hurt her...8-) sssssh!

Date: Thu, 7 Nov 1996 14:42:32 -0800
From: okasb@rex.mtv.gtegsc.com (Bob Okas)
To: glowbugs@theporch.com
Subject: More thoughts on junkotvscrappo tubes
Message-ID: <9611072242.AA05993@rex.mtv.gtegsc.com>

Gang,

Jeff, KG7JF, made an interesting point about series-string wierd heater voltage tubes. I suspect that the current of these buggers is probably on the order of 300 mA, just like the typical AA5 radio heaters. True, the tiny uhf RF amp has the same current flowing through it as does the horizontal output, but the heater voltages are way different. The RF amp might be rated for 2 volts while the H. output is 35V. The heater *power* required for proper electron emission is determined by the voltage rating, given that the current is fixed. We see the 2,3,4,5 volt jobbies in the RF/IF sections of tv's since not that much heater power is required.

Bob - W3CD (formerly N3MBY)

Date: Thu, 7 Nov 1996 18:39:45 -0500
From: "Robert Fowle (KC8DBC)" <hammarlund@jacksonmi.com>
To: boatanchors@theporch.com
Cc: zut@cais.cais.com, sp600@aol.com, wallace@world.std.com, KC5IJD@aol.com,
Subject: EFJ chokes ---GONE
Message-ID: <2.2.16.19961107184216.0e972f98@fvmail.com>

all 68 boxes, have been spoken for.....

thank you

=====]-[->

Robert Fowle KC8DBC
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End of GLOWBUGS Digest 345
